

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/532178.app.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/11 13:48
S2	2	us-20060047213-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/11 14:21
S3	2	wo-2004035137-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/11 14:21
S4	49	(US-20060241510-\$ or US-20040260188-\$ or US-20040267149-\$ or US-20040127807-\$ or US-20060025827-\$ or US-20060047213-\$ or US-20070050715-\$).did. or (US-4248241-\$ or US-5730140-\$ or US-4331156-\$ or US-4409986-\$ or US-4967759-\$ or US-4777961-\$ or US-4957109-\$ or US-5448996-\$ or US-6409675-\$ or US-4383534-\$ or US-5853005-\$ or US-4619268-\$ or US-4763663-\$ or US-5257627-\$ or US-5265613-\$ or US-6369713-\$ or US-6053872-\$ or US-4446873-\$ or US-4546777-\$ or US-4548204-\$ or US-4549552-\$ or US-4930518-\$ or US-5814086-\$ or US-5993390-\$ or US-4484583-\$ or US-4577638-\$).did. or (US-4951678-\$ or US-5022405-\$ or US-5029591-\$ or US-5899927-\$ or US-5935081-	US-PGPUB; USPAT	ADJ	ON	2007/12/12 08:17

		\$ or US-6949075-\$ or US-5835995-\$ or US-6223081-\$ or US-5566671-\$ or US-5684460-\$ or US-5769084-\$ or US-5337752-\$ or US-6171263-\$ or US-4802485-\$ or US-6152884-\$ or US-4832038-\$).did.				
S6	8	("5846206" "5105354" "5764723").pn. us-20020035337-\$).did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/12 08:19
S7	87	("4031884"   "4732158"   "4862361"   "4958638"   "4958640"   "4960129"). PN. OR ("5105354"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/12 08:34
S8	443	600/513.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/12 08:47
S9	66	600/514.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/12 08:49
S10	6	((NOAM) near2 (GAVRIELY)).INV.	US-PGPUB; USPAT	ADJ	ON	2007/12/12 08:51
S11	9	((NATHAN) near2 (INTRATOR)).INV.	US-PGPUB; USPAT	ADJ	ON	2007/12/12 08:51
S23	103	600/513.ccls. and (breath \$4 or respiration or inhal \$5 or exhal\$5) and (sound or acoustic)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/12 09:11
S24	40	600/300-301,481-543. ccls. and ((heart beat) with (sound or acoustic \$2)) and ((breath\$4 or respiration or inhal\$5 or exhal\$5) with (sound or acoustic\$2)) and (segment \$5 or separat\$4 or divide or division) and (correlat \$5 or determin\$5) and sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/12 09:41
S25	137	600/528.ccls. and (breathing or respiration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/12 10:09

S27	2	09/822426.app.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/12 10:23
S28	3	("2002/0035337").URPN.	USPAT	ADJ	ON	2007/12/12 10:25
S29	7	("6626842").URPN.	USPAT	ADJ	ON	2007/12/12 10:25
S30	50	((tohru) near2 (oka)).INV.	US-PGPUB; USPAT	ADJ	ON	2007/12/12 10:29
S31	34	((tohru) near2 (oka)).INV. and "600".clas.	US-PGPUB; USPAT	ADJ	ON	2007/12/12 10:30
S33	9	((tohru) near2 (oka)).INV. and "600".clas. and heart sound	US-PGPUB; USPAT	ADJ	ON	2007/12/12 10:30
S35	34	600/528.ccls. and (breathing or respiration) sound	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/12 10:31
S36	28	600/528.ccls. and (probability or probabilistic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/12 10:36
S37	376	600/484.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/12 10:55
S39	19	600/484.ccls. and (breathing or respiration) sound	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/12 10:55
S41	286	600/484.ccls. and (breathing or respiration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/12 10:55

S42	138	600/300-301,483-484,500-503,529-542.ccls. and (breathing or respiration) sound	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/12 10:56
S43	200	600/300-301,483-484,500-503,529-542.ccls. and ((breathing or respiration) and (heart or heart beat)) with (sound or acoustic \$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/12 11:05
S45	838	"600".clas. and (heart or cardiac) near2 (sound) and (sound or acoustic\$2) with (sensor or detect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/13 09:21
S46	424	"600".clas. and (heart or cardiac) near2 (sound) and (sound or acoustic\$2) with (sensor or detect\$4) and (correlat\$4 or synchroniz\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/13 09:21
S47	405	"600".clas. and (heart or cardiac) near2 (sound) and (sound or acoustic\$2) with (sensor or detect\$4) and (correlat\$4 or synchroniz\$5) and (state or class or segment\$4 or separat\$4 or divid\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/13 09:24
S48	72	"600".clas. and (heart or cardiac) near2 (sound) and (breathing or respiratory) near2 sound and (sound or acoustic\$2) with (sensor or detect\$4) and (correlat\$4 or synchroniz\$5) and (state or class or segment\$4 or separat\$4 or divid\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/13 10:38
S50	2	"5764723".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/13 17:13

S51	30	("4594731"   "4720866"   "4765321"   "4792145"   "4991581"   "5002060"   "5010889"   "5025809"   "5213108"   "5218969"   "5301679"   "5337752"). PN. OR ("5957866"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/13 17:40
S52	54	"600".clas. and cardiac synchronization	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/14 08:06
S53	56	"600".clas. and (cardiac or heartbeat) synchronization	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/14 08:43
S54	75	"600".clas. and (cardiac or heartbeat) synchroniz\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/14 08:44
S55	323	"600".clas. and gating with (ECG or EKG)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/14 09:55
S56	155	"600".clas. and gating with (ECG or EKG) and MRI	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/14 09:55
S57	0	"600".clas. and gating with (ECG or EKG) and (MRI and balloon and cardiac assist device and angiography and SPECT)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/14 09:57
S58	192	"600".clas. and gating with (ECG or EKG) and (MRI or balloon or cardiac assist device or angiography or SPECT)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/14 09:57

S59	42	"600".clas. and gating with (ECG or EKG) and (MRI or balloon or cardiac assist device or angiography or SPECT) and therapeutic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/14 10:20
S60	14	"600".clas. and gating with (ECG or EKG) and (MRI or balloon or cardiac assist device or angiography or SPECT) and therapeutic and balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/14 14:52
S61	1	aortic near3 balloon pump and gating and "600".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 13:17
S62	85	"600".clas. and heart same sound same cycl\$4 same phase	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/09/16 13:44
S63	109	"600".clas. and heart same (temporal with phase)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/09/16 13:47
S64	1	"600".clas. and heart same (temporal with phase) same (raw or time frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/09/16 13:48
S65	46	"600".clas. and heart same (temporal with phase) and (raw or time frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/09/16 13:48
S66	31	("4594731"   "4720866"   "4765321"   "4792145"   "4991581"   "5002060"   "5010889"   "5025809"   "5213108"   "5218969"   "5301679"   "5337752"). PN. OR ("5957866"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/16 13:49

S67	14	((("4594731"   "4720866"   "4765321"   "4792145"   "4991581"   "5002060"   "5010889"   "5025809"   "5213108"   "5218969"   "5301679"   "5337752"). PN. OR ("5957866"). URPN.) and (temporal or phase)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/16 13:50
S68	29	((("4594731"   "4720866"   "4765321"   "4792145"   "4991581"   "5002060"   "5010889"   "5025809"   "5213108"   "5218969"   "5301679"   "5337752"). PN. OR ("5957866"). URPN.) and (temporal or phase or raw or frequency)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/16 13:51
S69	5	(within with breath with variability)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/25 12:48
S70	588	(heart or cardiac) same (sound or acoustic\$5) and (thorax)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/25 12:49
S71	45	(heart or cardiac) same (sound or acoustic\$5) same (variability) and (thorax)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/25 12:50
S72	293	"600".clas. and temporal with segment\$6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/17 14:34
S73	7317	600/481-507.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/17 14:35

S74	1	600/483.ccls. and temporal with segment\$6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/17 14:36
S75	351	"600".clas. and ((heart or cardiac) and (breathing or respiration)) with (sounds) and (EKG or ECG or electrocardiog\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/17 15:02
S76	33	("4594731"   "4720866"   "4765321"   "4792145"   "4991581"   "5002060"   "5010889"   "5025809"   "5213108"   "5218969"   "5301679"   "5337752"). PN. OR ("5957866"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/17 15:14
S77	562	600/528.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/05/06 11:41
S78	308	600/586.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/05/06 11:42
S79	1974	600/509.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/05/20 17:52
S80	53	"607".clas. and temporal with segment\$6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/05/20 17:57
S81	11	"607".clas. and temporal with segment\$6 and acoustic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/05/20 17:57

S82	282	607/25.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/05/20 18:06
S83	391	607/18,20.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/05/21 13:00
S84	12	("7610094" "7578794" "7174203" "6527729" "5554177").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/21 13:01
S85	103	607/18,20.ccls. and sound	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/05/21 13:16
S86	24	607/18,20.ccls. and sound same ((heart or cardiac) and (lung or respiratory))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/05/21 13:17

**EAST Search History (I nterference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S87	0	(respiratory activity and cardiac sounds and temporallys egmenting and physiological rhythmicity and synchronized stable features and temporal variability).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/05/21 16:45

**6/ 14/ 2010 1:35:54 PM****C:\ Documents and Settings\ cjang\ My Documents\ EAST\ Workspaces\ 10-532178 Acoustic  
Assessment of the Heart.wsp**